Application No.: 09/768,733 Docket No.: H0610.0023/P023

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A process for reducing content of sulphur compounds and polyaromatic hydrocarbons in a hydrocarbon feed stock having a boiling range between 200°C and 600°C, which process comprises the steps of:

- (a) contacting the feed stock with hydrogen over a hydrotreating catalyst in a hydrotreating zone at conditions being effective for hydrotreating and obtaining a hydrotreated effluent comprising hydrotreated feed stock, hydrogen sulphide and hydrogen;
  - (b) cooling the hydrotreated effluent;
- (c) contacting the <u>cooled</u> hydrotreated effluent with a hydrotreating catalyst at conditions being effective for conversion of polyaromatic hydrocarbons to monoaromatic compounds; and
- (d) introducing the hydrotreated effluent from step (c) into an FCC unit for producing gasoline.
- 2. (Original) A process of claim 1, wherein the temperature in step (c) is between 50°C and 150°C lower than outlet temperature from step (a).
- 3. (Original) A process of claim 1, wherein LHSV in step (c) is between 2 and 20 times the LHSV in step (a).
- 4. (Previously presented) A process of claim 1, wherein step (c) is performed in a final catalyst bed of the hydrotreating zone.
- 5. (Original) A process of claim 1, wherein the feedstock is characterized by having a 50% boiling point between 300°C and 450°C.

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6. (Previously presented) A process of claim 1, wherein the hydrotreating catalyst used in step (c) is a composite of Group VI-B and/or Group VIII metal on a porous refractory inorganic oxide.

- 7. (Original) A process of claim 6, wherein the metals are nickel and molybdenum or nickel and tungsten.
- 8. (Original) A process of claim 6, wherein the porous refractory inorganic oxide is alumina or silica-alumina.